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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=5; day=2; hr=16; min=33; sec=40; ms=432;]

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Reviewer Comments:

PÐÏ à;± á

<110> GROSSMAN, ABRAHAM

<120> COMPOSITIONS AND METHODS USED FOR IDENTIFYING FACTORS
REQUIRED FOR THE AGGLOMERATION OF PROTEINS

The first line is a sample of the many non-ASCII characters appearing
above the <110> line.

<210> 1

<211> 196

<212> RNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illistrative
sequence of the invention

The above <213> response is invalid, per 1.823 of the Sequence Rules:
the only valid responses are: the Genus species of the organism,
"Artificial Sequence," or "Unknown" (not "Unknown Organism"). Also,
please change the spelling of "Illistrative" in the <223> response to
"Illustrative." These errors appear in Sequences 2-6, too.

(end of Sequence 7)

Ser Arg Glu

2355

PAGE

PAGE 10

Please remove the above two lines and the many non-ASCII characters appearing at the end of the submitted file.

Per Sequence Rules, all sequence listing files must be saved in ASCII text format.

Application No: 10524681 Version No: 1.0

Input Set:

Output Set:

Started: 2008-04-21 14:29:54.722
Finished: 2008-04-21 14:30:09.435
Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 713 ms
Total Warnings: 518
Total Errors: 375
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

Error code	Error Description
E 201	Mandatory field data missing in <140>
E 201	Mandatory field data missing in <141>
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 112	Upper case found in data; Found at position(1) SEQID(7)
W 112	Upper case found in data; Found at position(2) SEQID(7)
W 112	Upper case found in data; Found at position(3) SEQID(7)
W 112	Upper case found in data; Found at position(5) SEQID(7)
W 112	Upper case found in data; Found at position(6) SEQID(7)
W 112	Upper case found in data; Found at position(7) SEQID(7)
W 112	Upper case found in data; Found at position(8) SEQID(7)
W 112	Upper case found in data; Found at position(416) SEQID(7)
W 112	Upper case found in data; Found at position(420) SEQID(7)
E 342	'n' position not defined found at POS: 424 SEQID(7)
W 112	Upper case found in data; Found at position(424) SEQID(7)
W 112	Upper case found in data; Found at position(432) SEQID(7)

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Error code	Error Description
W 112	Upper case found in data; Found at position(450) SEQID(7)
W 112	Upper case found in data; Found at position(453) SEQID(7)
W 112	Upper case found in data; Found at position(459) SEQID(7)
E 342	'n' position not defined found at POS: 461 SEQID(7)
W 112	Upper case found in data; Found at position(465) SEQID(7)
E 342	'n' position not defined found at POS: 467 SEQID(7)
W 112	Upper case found in data; Found at position(479) SEQID(7)
W 112	Upper case found in data; Found at position(493) SEQID(7)
E 342	'n' position not defined found at POS: 495 SEQID(7)
W 112	Upper case found in data; Found at position(499) SEQID(7)
W 112	Upper case found in data; Found at position(506) SEQID(7)
W 112	Upper case found in data; Found at position(510) SEQID(7) This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 994 SEQID(7)
E 342	'n' position not defined found at POS: 1953 SEQID(7)
E 342	'n' position not defined found at POS: 2459 SEQID(7)
E 342	'n' position not defined found at POS: 2498 SEQID(7)
E 342	'n' position not defined found at POS: 2969 SEQID(7)
E 342	'n' position not defined found at POS: 3474 SEQID(7)
E 342	'n' position not defined found at POS: 3487 SEQID(7)
E 342	'n' position not defined found at POS: 4148 SEQID(7)
E 342	'n' position not defined found at POS: 4299 SEQID(7)
E 342	'n' position not defined found at POS: 4552 SEQID(7)

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Error code	Error Description
E 259	Found undefined lettercode; POS (21292) SEQID(7)
E 259	Found undefined lettercode; POS (21293) SEQID(7)
E 259	Found undefined lettercode; POS (21294) SEQID(7)
E 259	Found undefined lettercode; POS (21295) SEQID(7)
E 259	Found undefined lettercode; POS (21296) SEQID(7)
E 259	Found undefined lettercode; POS (21298) SEQID(7)
E 259	Found undefined lettercode; POS (21299) SEQID(7)
E 259	Found undefined lettercode; POS (21300) SEQID(7)
E 259	Found undefined lettercode; POS (21301) SEQID(7)
E 259	Found undefined lettercode; POS (21302) SEQID(7)
E 259	Found undefined lettercode; POS (21303) SEQID(7)
E 259	Found undefined lettercode; POS (21304) SEQID(7)
E 259	Found undefined lettercode; POS (21306) SEQID(7)
E 259	Found undefined lettercode; POS (21307) SEQID(7)
E 259	Found undefined lettercode; POS (21308) SEQID(7)
E 259	Found undefined lettercode; POS (21309) SEQID(7)
E 259	Found undefined lettercode; POS (21310) SEQID(7)
E 259	Found undefined lettercode; POS (21312) SEQID(7)
E 259	Found undefined lettercode; POS (21313) SEQID(7)
E 259	Found undefined lettercode; POS (21314) SEQID(7) This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 21992 SEQID(7)
E 342	'n' position not defined found at POS: 22232 SEQID(7)

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Actual SeqID Count: 7

Error code	Error Description
E 342	'n' position not defined found at POS: 24003 SEQID(7)
E 342	'n' position not defined found at POS: 28233 SEQID(7)

<210> 1
<211> 196
<212> RNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illustrative
sequence of the invention

<400> 1
gggguuuucca accggaauuu gagggauGCC uaggcauccc ccgugcgucc cuuuacgagg 60
gauugucgac ucuagucgac gucugggcga aaaauguacg agaggaccuu uucgguacag 120
acgguaccug agggauGCCu aggcaucccc cgcgccgguu ucggaccucc agugcguguu 180
accgcacugu cgaccc 196

<210> 2
<211> 221
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illustrative
sequence of the invention

<400> 2
ggggaccccc cggaaggggg gacgaggtgc gggcacctcg tacgggagtt cgaccgtgac 60
gagtcacggg ctagcgcttt cgcgctctcc caggtgacgc ctctgaaga ggcgcgacct 120
tcgtgcgttt cggcgacgca cgagaaccgc cacgtgctt cgcagcgtgg ccccttcgcg 180
cagcccgctg cgcgaggtga ccccgaagg ggggttcccc a 221

<210> 3
<211> 86
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illustrative
sequence of the invention

<400> 3
gggttcataG cctattcggc ttttaaagga cttttttccc tcgcgtagct agctacgca 60
ggtgaccccc cgaagggggg tgeccc 86

<210> 4
<211> 130
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illustrative
sequence of the invention

<400> 4
gggttcataG cctattcggc ttgcgcgatg ggaatttgag ggacgatggg gaagtgggag 60

cgcggttttaa aggacctttt tccctcgcggt agctagctac gcgaggtgac cccccgaagg 120
ggggtgcccc 130

<210> 5

<211> 118

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illustrative
sequence of the invention

<400> 5

gggttcatag cctattcggc ttgcgccccg ttataatac ttagtgagcg cgttttaag 60
gacctttttc cctcgcgtag ctactacgc gaggtgacct ccgaagggg ggtgcccc 118

<210> 6

<211> 118

<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Illustrative
sequence of the invention

<400> 6

gggttcatag cctattcggc ttgcgccccg tggggtttgc ctcaggagcg cgttttaag 60
gacctttttc ccttcgtag ctactacgc gaggtgacct ccgaagggg ggtgcccc 118

<210> 7

<211> 2355

<212> PRT

<213> Homo sapiens

<400> 7

Met Leu Arg Gly Pro Gly Pro Gly Leu Leu Leu Leu Ala Val Gln Cys
1 5 10 15

Leu Gly Thr Ala Val Pro Ser Thr Gly Ala Ser Lys Ser Lys Arg Gln
20 25 30

Ala Gln Gln Met Val Gln Pro Gln Ser Pro Val Ala Val Ser Gln Ser
35 40 45

Lys Pro Gly Cys Tyr Asp Asn Gly Lys His Tyr Gln Ile Asn Gln Gln
50 55 60

Trp Glu Arg Thr Tyr Leu Gly Asn Ala Leu Val Cys Thr Cys Tyr Gly
65 70 75 80

Gly Ser Arg Gly Phe Asn Cys Glu Ser Lys Pro Glu Ala Glu Glu Thr
85 90 95

Cys Phe Asp Lys Tyr Thr Gly Asn Thr Tyr Arg Val Gly Asp Thr Tyr

100	105	110
Glu Arg Pro Lys Asp Ser Met Ile Trp Asp Cys Thr Cys Ile Gly Ala		
115	120	125
Gly Arg Gly Arg Ile Ser Cys Thr Ile Ala Asn Arg Cys His Glu Gly		
130	135	140
Gly Gln Ser Tyr Lys Ile Gly Asp Thr Trp Arg Arg Pro His Glu Thr		
145	150	155
Gly Gly Tyr Met Leu Glu Cys Val Cys Leu Gly Asn Gly Lys Gly Glu		
165	170	175
Trp Thr Cys Lys Pro Ile Ala Glu Lys Cys Phe Asp His Ala Ala Gly		
180	185	190
Thr Ser Tyr Val Val Gly Glu Thr Trp Glu Lys Pro Tyr Gln Gly Trp		
195	200	205
Met Met Val Asp Cys Thr Cys Leu Gly Glu Gly Ser Gly Arg Ile Thr		
210	215	220
Cys Thr Ser Arg Asn Arg Cys Asn Asp Gln Asp Thr Arg Thr Ser Tyr		
225	230	235
Arg Ile Gly Asp Thr Trp Ser Lys Lys Asp Asn Arg Gly Asn Leu Leu		
245	250	255
Gln Cys Ile Cys Thr Gly Asn Gly Arg Gly Glu Trp Lys Cys Glu Arg		
260	265	270
His Thr Ser Val Gln Thr Thr Ser Ser Gly Ser Gly Pro Phe Thr Asp		
275	280	285
Val Arg Ala Ala Val Tyr Gln Pro Gln Pro His Pro Gln Pro Pro Pro		
290	295	300
Tyr Gly His Cys Val Thr Asp Ser Gly Val Val Tyr Ser Val Gly Met		
305	310	315
Gln Trp Leu Lys Thr Gln Gly Asn Lys Gln Met Leu Cys Thr Cys Leu		
325	330	335
Gly Asn Gly Val Ser Cys Gln Glu Thr Ala Val Thr Gln Thr Tyr Gly		
340	345	350
Gly Asn Ser Asn Gly Glu Pro Cys Val Leu Pro Phe Thr Tyr Asn Gly		
355	360	365
Arg Thr Phe Tyr Ser Cys Thr Thr Glu Gly Arg Gln Asp Gly His Leu		
370	375	380
Trp Cys Ser Thr Thr Ser Asn Tyr Glu Gln Asp Gln Lys Tyr Ser Phe		
385	390	395
		400

Cys Thr Asp His Thr Val Leu Val Gln Thr Arg Gly Gly Asn Ser Asn
 405 410 415

Gly Ala Leu Cys His Phe Pro Phe Leu Tyr Asn Asn His Asn Tyr Thr
 420 425 430

Asp Cys Thr Ser Glu Gly Arg Arg Asp Asn Met Lys Trp Cys Gly Thr
 435 440 445

Thr Gln Asn Tyr Asp Ala Asp Gln Lys Phe Gly Phe Cys Pro Met Ala
 450 455 460

Ala His Glu Glu Ile Cys Thr Thr Asn Glu Gly Val Met Tyr Arg Ile
 465 470 475 480

Gly Asp Gln Trp Asp Lys Gln His Asp Met Gly His Met Met Arg Cys
 485 490 495

Thr Cys Val Gly Asn Gly Arg Gly Glu Trp Thr Cys Ile Ala Tyr Ser
 500 505 510

Gln Leu Arg Asp Gln Cys Ile Val Asp Asp Ile Thr Tyr Asn Val Asn
 515 520 525

Asp Thr Phe His Lys Arg His Glu Glu Gly His Met Leu Asn Cys Thr
 530 535 540

Cys Phe Gly Gln Gly Arg Gly Arg Trp Lys Cys Asp Pro Val Asp Gln
 545 550 555 560

Cys Gln Asp Ser Glu Thr Gly Thr Phe Tyr Gln Ile Gly Asp Ser Trp
 565 570 575

Glu Lys Tyr Val His Gly Val Arg Tyr Gln Cys Tyr Cys Tyr Gly Arg
 580 585 590

Gly Ile Gly Glu Trp His Cys Gln Pro Leu Gln Thr Tyr Pro Ser Ser
 595 600 605

Ser Gly Pro Val Glu Val Phe Ile Thr Glu Thr Pro Ser Gln Pro Asn
 610 615 620

Ser His Pro Ile Gln Trp Asn Ala Pro Gln Pro Ser His Ile Ser Lys
 625 630 635 640

Tyr Ile Leu Arg Trp Arg Pro Lys Asn Ser Val Gly Arg Trp Lys Glu
 645 650 655

Ala Thr Ile Pro Gly His Leu Asn Ser Tyr Thr Ile Lys Gly Leu Lys
 660 665 670

Pro Gly Val Val Tyr Glu Gly Gln Leu Ile Ser Ile Gln Gln Tyr Gly
 675 680 685

His Gln Glu Val Thr Arg Phe Asp Phe Thr Thr Thr Ser Thr Ser Thr
 690 695 700

Pro Val Thr Ser Asn Thr Val Thr Gly Glu Thr Thr Pro Phe Ser Pro
 705 710 715 720

Leu Val Ala Thr Ser Glu Ser Val Thr Glu Ile Thr Ala Ser Ser Phe
 725 730 735

Val Val Ser Trp Val Ser Ala Ser Asp Thr Val Ser Gly Phe Arg Val
 740 745 750

Glu Tyr Glu Leu Ser Glu Glu Gly Asp Glu Pro Gln Tyr Leu Asp Leu
 755 760 765

Pro Ser Thr Ala Thr Ser Val Asn Ile Pro Asp Leu Leu Pro Gly Arg
 770 775 780

Lys Tyr Ile Val Asn Val Tyr Gln Ile Ser Glu Asp Gly Glu Gln Ser
 785 790 795 800

Leu Ile Leu Ser Thr Ser Gln Thr Thr Ala Pro Asp Ala Pro Pro Asp
 805 810 815

Pro Thr Val Asp Gln Val Asp Asp Thr Ser Ile Val Val Arg Trp Ser
 820 825 830

Arg Pro Gln Ala Pro Ile Thr Gly Tyr Arg Ile Val Tyr Ser Pro Ser
 835 840 845

Val Glu Gly Ser Ser Thr Glu Leu Asn Leu Pro Glu Thr Ala Asn Ser
 850 855 860

Val Thr Leu Ser Asp Leu Gln Pro Gly Val Gln Tyr Asn Ile Thr Ile
 865 870 875 880

Tyr Ala Val Glu Glu Asn Gln Glu Ser Thr Pro Val Val Ile Gln Gln
 885 890 895

Glu Thr Thr Gly Thr Pro Arg Ser Asp Thr Val Pro Ser Pro Arg Asp
 900 905 910

Leu Gln Phe Val Glu Val Thr Asp Val Lys Val Thr Ile Met Trp Thr
 915 920 925

Pro Pro Glu Ser Ala Val Thr Gly Tyr Arg Val Asp Val Ile Pro Val
 930 935 940

Asn Leu Pro Gly Glu His Gly Gln Arg Leu Pro Ile Ser Arg Asn Thr
 945 950 955 960

Phe Ala Glu Val Thr Gly Leu Ser Pro Gly Val Thr Tyr Tyr Phe Lys
 965 970 975

Val Phe Ala Val Ser His Gly Arg Glu Ser Lys Pro Leu Thr Ala Gln
 980 985 990

Gln Thr Thr Lys Leu Asp Ala Pro Thr Asn Leu Gln Phe Val Asn Glu
 995 1000 1005

Thr Asp Ser Thr Val Leu Val Arg Trp Thr Pro Pro Arg Ala Gln Ile			
1010	1015	1020	
Thr Gly Tyr Arg Leu Thr Val Gly Leu Thr Arg Arg Gly Gln Pro Arg			
1025	1030	1035	1040
Gln Tyr Asn Val Gly Pro Ser Val Ser Lys Tyr Pro Leu Arg Asn Leu			
1045	1050	1055	
Gln Pro Ala Ser Glu Tyr Thr Val Ser Leu Val Ala Ile Lys Gly Asn			
1060	1065	1070	
Gln Glu Ser Pro Lys Ala Thr Gly Val Phe Thr Thr Leu Gln Pro Gly			
1075	1080	1085	
Ser Ser Ile Pro Pro Tyr Asn Thr Glu Val Thr Glu Thr Thr Ile Val			
1090	1095	1100	
Ile Thr Trp Thr Pro Ala Pro Arg Ile Gly Phe Lys Leu Gly Val Arg			
1105	1110	1115	1120
Pro Ser Gln Gly Gly Glu Ala Pro Arg Glu Val Thr Ser Asp Ser Gly			
1125	1130	1135	
Ser Ile Val Val Ser Gly Leu Thr Pro Gly Val Glu Tyr Val Tyr Thr			
1140	1145	1150	
Ile Gln Val Leu Arg Asp Gly Gln Glu Arg Asp Ala Pro Ile Val Asn			
1155	1160	1165	
Lys Val Val Thr Pro Leu Ser Pro Pro Thr Asn Leu His Leu Glu Ala			
1170	1175	1180	
Asn Pro Asp Thr Gly Val Leu Thr Val Ser Trp Glu Arg Ser Thr Thr			
1185	1190	1195	1200
Pro Asp Ile Thr Gly Tyr Arg Ile Thr Thr Thr Pro Thr Asn Gly Gln			
1205	1210	1215	
Gln Gly Asn Ser Leu Glu Glu Val Val His Ala Asp Gln Ser Ser Cys			
1220	1225	1230	
Thr Phe Asp Asn Leu Ser Pro Gly Leu Glu Tyr Asn Val Ser Val Tyr			
1235	1240	1245	
Thr Val Lys Asp Asp Lys Glu Ser Val Pro Ile Ser Asp Thr Ile Ile			
1250	1255	1260	
Pro Ala Val Pro Pro Pro Thr Asp Leu Arg Phe Thr Asn Ile Gly Pro			
1265	1270	1275	1280
Asp Thr Met Arg Val Thr Trp Ala Pro Pro Pro Ser Ile Asp Leu Thr			
1285	1290	1295	
Asn Phe Leu Val Arg Tyr Ser Pro Val Lys Asn Glu Glu Asp Val Ala			
1300	1305	1310	

Glu Leu Ser Ile Ser Pro Ser Asp Asn Ala Val Val Leu Thr Asn Leu			
1315	1320	1325	
Leu Pro Gly Thr Glu Tyr Val Val Ser Val Ser Ser Val Tyr Glu Gln			
1330	1335	1340	
His Glu Ser Thr Pro Leu Arg Gly Arg Gln Lys Thr Gly Leu Asp Ser			
1345	1350	1355	1360
Pro Thr Gly Ile Asp Phe Ser Asp Ile Thr Ala Asn Ser Phe Thr Val			
	1365	1370	1375
His Trp Ile Ala Pro Arg Ala Thr Ile Thr Gly Tyr Arg Ile Arg His			
	1380	1385	1390
His Pro Glu His Phe Ser Gly Arg Pro Arg Glu Asp Arg Val Pro His			
	1395	1400	1405
Ser Arg Asn Ser Ile Thr Leu Thr Asn Leu Thr Pro Gly Thr Glu Tyr			
	1410	1415	1420
Val Val Ser Ile Val Ala Leu Asn Gly Arg Glu Glu Ser Pro Leu Leu			
	1425	1430	1435
Ile Gly Gln Gln Ser Thr Val Ser Asp Val Pro Arg Asp Leu Glu Val			
	1445	1450	1455
Val Ala Ala Thr Pro Thr Ser Leu Leu Ile Ser Trp Asp Ala Pro Ala			
	1460	1465	1470
Val Thr Val Arg Tyr Tyr Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn			
	1475	1480	1485
Ser Pro Val Gln Glu Phe Thr Val Pro Gly Ser Lys Ser Thr Ala Thr			
	1490	1495	1500
Ile Ser Gly Leu Lys Pro Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala			
	1505	1510	1515
Val Thr Gly Arg Gly Asp Ser Pro Ala Ser Ser Lys Pro Ile Ser Ile			
	1525	1530	1535
Asn Tyr Arg Thr Glu Ile Asp Lys Pro Ser Gln Met Gln Val Thr Asp			
	1540	1545	1550
Val Gln Asp Asn Ser Ile Ser Val Lys Trp Leu Pro Ser Ser Ser Pro			
	1555	1560	1565
Val Thr Gly Tyr Arg Val Thr Thr Thr Pro Lys Asn Gly Pro Gly Pro			
	1570	1575	1580
Thr Lys Thr Lys Thr Ala Gly Pro Asp Gln Thr Glu Met Thr Ile Glu			
	1585	1590	1595
Gly Leu Gln Pro Thr Val Glu Tyr Val Val Ser Val Tyr Ala Gln Asn			
	1605	1610	1615

Pro Ser Gly Glu Ser Gln Pro Leu Val Gln Thr Ala Val Thr Asn Ile			
1620	1625	1630	
Asp Arg Pro Lys Gly Leu Ala Phe Thr Asp Val Asp Val Asp Ser Ile			
1635	1640	1645	
Lys Ile Ala Trp Glu Ser Pro Gln Gly Gln Val Ser Arg Tyr Arg Val			
1650	1655	1660	
Thr Tyr Ser Ser Pro Glu Asp Gly Ile His Glu Leu Phe Pro Ala Pro			
1665	1670	1675	1680
Asp Gly Glu Glu Asp Thr Ala Glu Leu Gln Gly Leu Arg Pro Gly Ser			
1685	1690	1695	
Glu Tyr Thr Val Ser Val Val Ala Leu His Asp Asp Met Glu Ser Gln			
1700	1705	1710	
Pro Leu Ile Gly Thr Gln Ser Thr Ala Ile Pro Ala Pro Thr Asp Leu			
1715	1720	1725	
Lys Phe Thr Gln Val Thr Pro Thr Ser Leu Ser Ala Gln Trp Thr Pro			
1730	1735	1740	
Pro Asn Val Gln Leu Thr Gly Tyr Arg Val Arg Val Thr Pro Lys Glu			
1745	1750	1755	1760
Lys Thr Gly Pro Met Lys Glu Ile Asn Leu Ala Pro Asp Ser Ser Ser			
1765	1770	1775	
Val Val Val Ser Gly Leu Met Val Ala Thr Lys Tyr Glu Val Ser Val			
1780	1785	1790	
Tyr Ala Leu Lys Asp Thr Leu Thr Ser Arg Pro Ala Gln Gly Val Val			
1795	1800	1805	
Thr Thr Leu Glu Asn Val Ser Pro Pro Arg Arg Ala Arg Val Thr Asp			
1810	1815	1820	
Ala Thr Glu Thr Thr Ile Thr Ile Ser Trp Arg Thr Lys Thr Glu Thr			
1825	1830	1835	1840
Ile Thr Gly Phe Gln Val Asp Ala Val Pro Ala Asn Gly Gln Thr Pro			
1845	1850		